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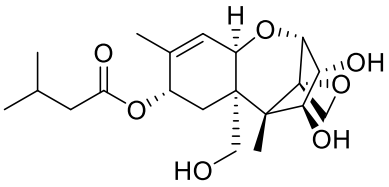
PRODUCT DATA SHEET

# T2 toxin Triol

Code No.: **BIA-T1934**

Pack sizes: **0.1 mg, 0.5 mg**



Synonyms : Deacetyl HT 2 toxin, T 2 triol, Toxin T 2 triol, Toxin T 3

## Specifications

| | | |
|---|---|---|
| CAS # | : | **34114-98-2** |
| Molecular Formula | : | **$C_{20}H_{30}O_7$** |
| Molecular Weight | : | **382.5** |
| Source | : | **Semi-synthetic** |
| Appearance | : | **White solid** |
| Purity | : | **>95% by HPLC** |
| Long Term Storage | : | **-20°C** |
| Solubility | : | **Soluble in methanol or DMSO.** |

## Application Notes

T2 toxin triol is a Type A trichothecene mycotoxin found in trace amounts in grains infected with Fusarium sp.. T2 toxin triol is a metabolite of T2 toxin formed in vivo by hydrolysis. T2 toxin triol is more cytotoxic than T2 toxin tetraol and neosolaniol, but less potent than T2 toxin, in porcine Leydig cells and yeast (Kluyveromyces marxianus).

## References


1. T-2 triol - a new mycotoxin produced by Fusarium sporotrichiella. Tutelyan V.A. et al. Akademii Nauk SSSR 1984, 274, 727.
2. Metabolic pathways of T-2 toxin. Dohnal V. et al. Curr Drug Metab. 2008, 9, 77.
3. Individual and combined cytotoxic effects of T-2 toxin and its four metabolites on porcine Leydig cells. Ling A. et al. Food Chem Toxicol. 2020, 139, 111277.
4. Structure-activity relationships and interactions among trichothecene mycotoxins as assessed by yeast bioassay. Madhyastha M.S. et al. Toxicon. 1994, 32, 1147.



For in vitro laboratory use only. Not for human or animal use.



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